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**COMSATS UNIVERSITY ISLAMABAD, ABBOTTABAD CAMPUS**

**Assignment # 01 – Artificial intelligence**

***Submitted by:***

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FA21-BSE-019-6A

***Submitted To:***

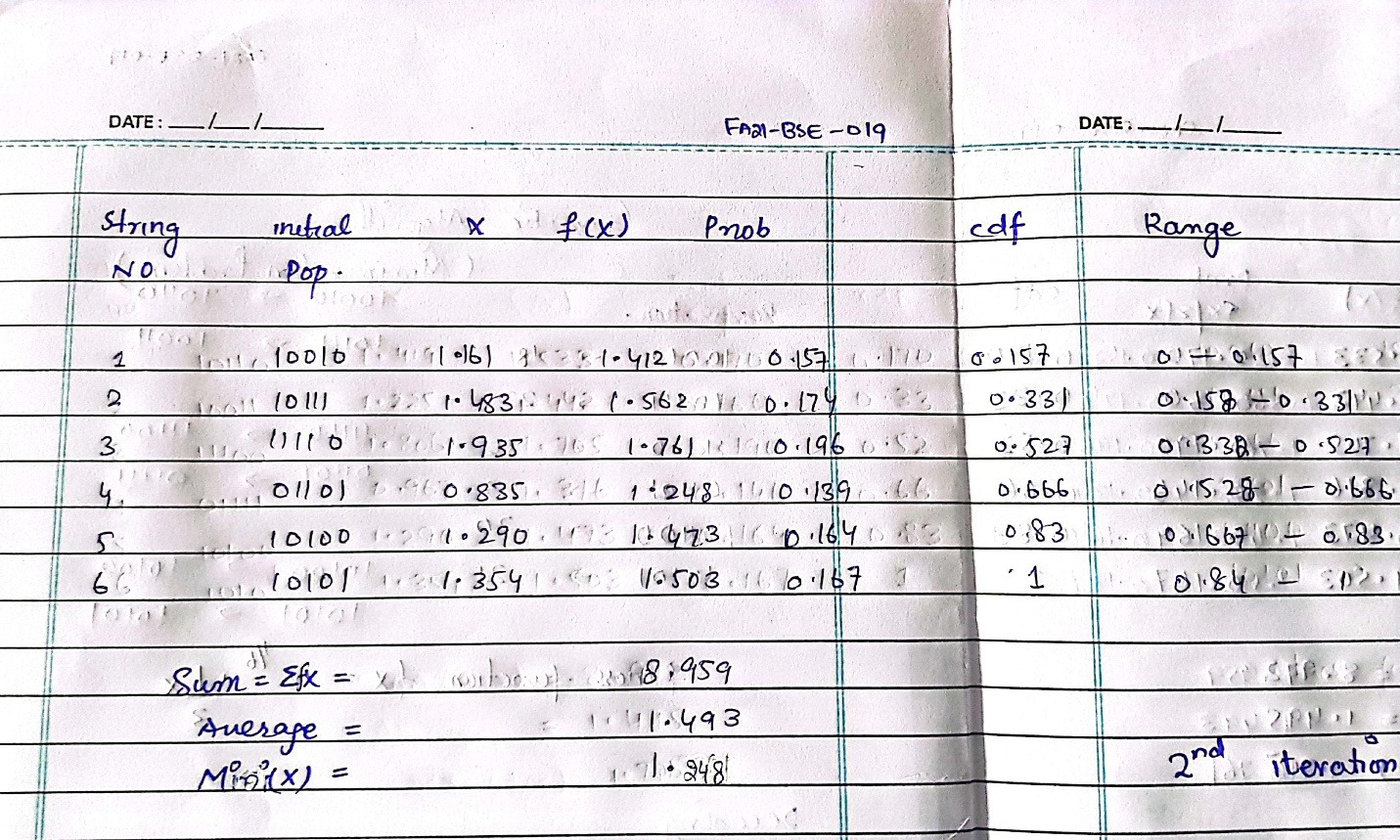
Dr. Mubashir Ahmad

**Genetic Algorithm (Minimization Problem)**

*Minimize the value of the function F(X) = X1/6 + 1/3 \* X, over the range of real number from 0 to 2 with initial population ['10010', '10111', '11110', '01101', '10100', '10101'] and with random numbers [0.15, 0.30, 0.50, 0.60, 0.75, 0.90], adjust the numbers in range of 0 to 2. Select the crossover between the first and fifth digits. Run the algorithm in 2 iterations.*

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